

c.) Amendments to the Claims

Please amend claims 1, 6, 9, 11, 12, 29, 30, 32, 35, 40 and 41 as follows:

Claim 1. (currently amended) An apparatus for killing microorganisms in an air conditioning system, said air conditioning system having at least one duct for the passage of air therethrough, said apparatus comprising:

a first connector for connecting said apparatus to a main power source;
a fluorescent light ballast configured to convert 60 hertz to 20-100 kilohertz; ~~and~~
a second connector located in a duct of the air conditioning system adapted to receive a UV-C lamp, wherein said second connector is coupled to said fluorescent light ballast via a coupler such that the first connecting means and said fluorescent light ballast is remote from the duct of the air conditioning system; and
a reflector disposed within the at least one duct that spins as air flows through said duct.

Claim 2. (previously amended) The apparatus of claim 1, further comprising a suppressor ballast coupled to said first connector for suppressing any electrical surge when the apparatus is activated.

Claim 3. (previously amended) The apparatus of claim 2, wherein the fluorescent light ballast and said suppressor ballast are disposed in a housing, said housing comprising a mounting for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

Claim 4. (original) The apparatus of claim 1, wherein the air conditioning system is a residential air conditioning system.

Claim 5. (previously amended) The apparatus of claim 1, further comprising de-energizing the lamp in response to a signal change and an indicator for indicating when the lamp is energized.

Claim 6. (currently amended) An apparatus for killing microorganisms in an air conditioning system, said air conditioning system having at least one duct for the passage of air therethrough, said apparatus comprising:

a control relay;
a plurality of fluorescent light ballasts configured to convert 60 hertz to 20 – 100 kilohertz;
a reflector disposed in said at least one duct that spins as air flows through; and
a plurality of electrical connectors located in the duct of the air conditioning system, wherein each of said plurality of electrical connectors is coupled to one of said plurality of fluorescent light ballasts and is adapted to receive a UV-C lamp, and ~~wherein~~ said electrical connectors are coupled to said fluorescent light ballasts via couplers such that the control relay and said fluorescent light ballasts are remote from the duct of the air conditioning system.

Claim 7. (original) The apparatus of claim 6, further comprising a suppressor ballast coupled to said control relay for suppressing any electrical surge when the apparatus is activated.

Claim 8. (original) The apparatus of claim 6, further comprising a plurality of UV-C lamps designed for mating with said electrical connectors and a plurality of reflectors arranged so that one of said plurality of reflectors is disposed at least one end of each of said plurality of lamps.

Claim 9. (currently amended) The apparatus of claim 6, wherein the reflector comprises a plurality of connectors, lamps and reflectors are disposed in said duct, and wherein said plurality of reflectors spin as air flows through said duct.

Claim 10. (original) The apparatus of claim 6, wherein the fluorescent light ballasts are 220 volt ballasts.

Claim 11. (currently amended) The apparatus of claims 6, further comprising:

~~means~~ a de-energizer for de-energizing the lamps in response to a signal change and an indicator ~~means~~ for indicating when one or more of the plurality of lamps are energized.

Claim 12. (currently amended) The apparatus of claim 11, wherein the indicator ~~means~~ comprises an LED indicator light coupled to each one of said plurality of fluorescent light ballasts to indicate whether power is going to each of said fluorescent light ballasts.

Claim 13. (original) The apparatus of claim 6, further comprising a safety switch operatively coupled to said control relay.

Claim 14. (original) The apparatus of claim 13, wherein the UV-C lamps are disposed inside said duct, and a door is disposed on said duct to allow access to said lamps and wherein said safety switch comprises a door jamb light switch which is actuated when said door is opened.

Claim 15. (original) The apparatus of claim 13, wherein the UV-C lamps are disposed inside said duct, and a door is disposed on said duct to allow access to said lamps and wherein said safety switch comprises a switch that allows the UV-C lamps to be energized so long as the safety switch is depressed or the door is closed.

Claim 16. (original) The apparatus of claim 13, wherein the safety switch comprises a micro-switch.

Claim 17. (original) The apparatus of claim 13, wherein the safety switch comprises a momentary contact safety switch.

Claim 18. (previously amended) The apparatus of claim 8, wherein said UV-C lamps and said reflectors are disposed inside said duct and said control relay and said plurality of fluorescent light ballasts are disposed remotely from said air conditioning system.

Claim 19. (previously amended) The apparatus of claim 8, wherein said UV-C lamps, said reflectors said control relay and said plurality of fluorescent light ballasts are disposed inside the air conditioning system.

Claim 20 (original) The apparatus of claim 6, further comprising an aluminum cover.

Claim 21. (original) The apparatus of claim 6, wherein the air conditioning system is a commercial air conditioning system.

Claim 22. (original) The apparatus of claim 6, further comprising an exhaust fan.

Claims 23-28 (previously cancelled).

Claim 29. (original) A method for killing microorganisms in an air conditioning system, said air conditioning system having at least one duct for the passage of air therethrough, said method comprising:

providing a first connector for connecting to a main power source;

providing a fluorescent light ballast coupled to said suppressor ballast, said fluorescent light ballast configured to convert 60 hertz to 20-100 kilohertz;

providing a reflector located within the at least one duct of the air conditioning system, wherein said reflector spins as air flows through said at least one duct; and

providing a second connector located in a the at least one duct of the air conditioning system adapted to receive a UV-C lamp, wherein said second connector is coupled to said fluorescent light ballast via a coupler such that the first connecting means and said fluorescent light ballast is remote from the duct of the air conditioning system and wherein said ballast is not subjected to all of the vibrations of the air conditioning system.

Claim 30. (currently amended) The method of claim 29, further comprising:
providing ~~means~~ for de-energizing the lamp in response to a signal change; and
providing an indicator ~~means~~ for indicating when the lamp is energized.

Claim 31. (previously amended) The method of claim 29, further comprising providing a suppressor ballast coupled to said first connector for suppressing any electrical surge when the apparatus is activated.

Claim 32. (currently amended) The method of claim 29, further comprising providing a housing, wherein said fluorescent light ballast is disposed in said housing, said housing comprising a mounting ~~means~~ for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

Claim 33. (original) The method of claim 29, wherein the air conditioning system is a residential air conditioning system.

Claim 34. (original) The method of claim 29, wherein the air conditioning system is a commercial air conditioning system.

Claim 35. (previously added) An apparatus for cleaning air in an air conditioning system, said air conditioning system having at least one cooling coil and at least one duct, said apparatus comprising:

- a fluorescent light ballast;
- a first UV-C lamp connected to the fluorescent light ballast and located on a first side of the cooling coil in said air conditioning system;
- a reflector located within the at least one duct of the air conditioning system, wherein said reflector spins as air flows through said at least one duct; and
- a second UV-C lamp connected to the fluorescent light ballast and located on a second

side of the cooling coil in said air conditioning system.

Claim 36. (previously added) The apparatus of claim 35, wherein the fluorescent light ballast is located remotely from the duct and said ballast is not subjected to all of the vibrations of the air conditioning system.

Claim 37. (previously added) The apparatus of claim 35, further comprising a suppressor ballast coupled to the fluorescent light ballast for suppressing any electrical surge when the apparatus is activated.

Claim 38. (previously added) The apparatus of claim 37, wherein the fluorescent light ballast and said suppressor ballast are disposed in a housing, said housing comprising a mounting for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

Claim 39. (previously added) The apparatus of claim 35, wherein the air conditioning system is a residential air conditioning system.

Claim 40. (currently amended) The apparatus of claim 35, further comprising de-energizing the lamp in response to a signal change and an indicator ~~means~~ for indicating when the lamp is energized.

Claim 41. (currently amended) An apparatus for cleaning air in an air conditioning system, said air conditioning system having at least one cooling coil and at least one duct, said apparatus comprising:

a fluorescent light ballast;

at least one UV-C lamp connected to the fluorescent light ballast for cleaning the entire cooling coil in said air conditioning system; and

a reflector disposed in said at least one duct that spin as air flows through the duct.

Claim 42. (previously added) The apparatus of claim 41, wherein the fluorescent light ballast is located remotely from the duct and wherein said ballast is not subjected to all of the vibrations of said air conditioning system.

Claim 43. (previously added) The apparatus of claim 41, further comprising a suppressor ballast coupled to the fluorescent light ballast for suppressing any electrical surge when the apparatus is activated.

Claim 44. (previously added) The apparatus of claim 43, wherein the fluorescent light ballast and said suppressor ballast are disposed in a housing, said housing comprising a mounting for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

Claim 45. (previously added) The apparatus of claim 41, wherein the air conditioning system is a residential air conditioning system.

Claim 46. (previously added) The apparatus of claim 41, further comprising de-energizing the lamp in response to a signal change and an indicator for indicating when the lamp is energized.

Claim 47. (previously added) The apparatus of claim 1, wherein the ballast is not subjected to all of the vibrations of the air conditioning system.

Claim 48. (previously added) The apparatus of claim 1, wherein the ballasts are not subjected to all of the vibrations of the air conditioning system.